

ESTTA Tracking number: **ESTTA344817**

Filing date: **04/29/2010**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

Notice of Opposition

Notice is hereby given that the following party opposes registration of the indicated application.

Opposer Information

Name	Pac-Dent International, Inc.		
Entity	Corporation	Citizenship	California
Address	21078 Commerce Pointe Drive Walnut, CA 91789 UNITED STATES		

Attorney information	Philip H. Gottfried, Esq. AMSTER, ROTHSTEIN & EBENSTEIN LLP 90 Park Avenue New York, NY 10016 UNITED STATES ptodocket@arelaw.com Phone:212-336-8000
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Applicant Information

Application No	77848338	Publication date	04/20/2010
Opposition Filing Date	04/29/2010	Opposition Period Ends	05/20/2010
Applicant	Sulzer Mixpac AG RÄ¼tistrasse 7 Haag (Rheintal), CH-9469 SWITZERLAND		

Goods/Services Affected by Opposition

Class 010. First Use: 1997/12/31 First Use In Commerce: 1997/12/31
All goods and services in the class are opposed, namely: Mixing tips used with dispensers of two part compositions for dental applications

Applicant Information

Application No	77848320	Publication date	04/20/2010
Opposition Filing Date	04/29/2010	Opposition Period Ends	05/20/2010
Applicant	Sulzer Mixpac AG RÄ¼tistrasse 7 Haag (Rheintal), CH-9469 SWITZERLAND		

Goods/Services Affected by Opposition

Class 010. First Use: 1997/12/31 First Use In Commerce: 1997/12/31
All goods and services in the class are opposed, namely: Mixing tips used with dispensers of two part compositions for dental applications

Applicant Information

Application No	77848315	Publication date	04/20/2010
Opposition Filing Date	04/29/2010	Opposition Period Ends	05/20/2010
Applicant	Sulzer Mixpac AG RÄ¼tistrasse 7 Haag (Rheintal), CH-9469 SWITZERLAND		

Goods/Services Affected by Opposition

Class 010. First Use: 1997/12/31 First Use In Commerce: 1997/12/31
All goods and services in the class are opposed, namely: Mixing tips used with dispensers of two part compositions for dental applications

Grounds for Opposition

The mark comprises matter that, as a whole, is functional	Trademark Act section 2(e)(5)
Other	Applicant#s Mixing Tips Lack Secondary Meaning; Applicant Has Not Used Its Mixing Tips In Commerce Within The Meaning Of The Lanham Act; and Applicant Has Not Submitted Proper Specimens Of Use

Attachments	Consolidated Notice of Opposition - 338 - 320 and 315 Applications.pdf (24 pages)(2578215 bytes)
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Certificate of Service

The undersigned hereby certifies that a copy of this paper has been served upon all parties, at their address record by Overnight Courier on this date.

Signature	/Philip H. Gottfried/
Name	Philip H. Gottfried, Esq.
Date	04/29/2010

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD**

- - - - -X		
PAC-DENT INTERNATIONAL, INC,	:	
	:	
Opposer,	:	Opposition No.
	:	
v.	:	
	:	<u>CONSOLIDATED NOTICE OF</u>
SULZER MIXPAC AG,	:	<u>OPPOSITION</u>
	:	
Applicant.	:	
- - - - -X		

Honorable Commissioner for Trademarks
Washington, D.C. 20231

SIR: In the matter of: (1) U.S. Trademark Application No. 77/848,338 for the trademark of a brown mixing tip for mixing tips used with dispensers of two part compositions for dental applications in International Class 10, published for Opposition on April 20, 2010 (the “338 Application”); (2) U.S. Trademark Application No. 77/848,320 for the trademark of a purple mixing tip for mixing tips used with dispensers of two part compositions for dental applications in International Class 10, published for Opposition on April 20, 2010 (the “320 Application”); and (3) U.S. Trademark Application No. 77/848,315 for the trademark of a pink mixing tip for mixing tips used with dispensers of two part compositions for dental applications in International Class 10, published for Opposition on April 20, 2010 (the “315 Application”); (collectively, the ‘338, ‘320 and ‘315 Applications shall be referred to as the “Subject Applications”) all owned by Sulzer Mixpac AG, a corporation organized and existing under the laws of Switzerland, currently having a place of business at Rütistrasse 7, Haag (Rheintal) CH-9469 Switzerland (“Applicant”), Pac-Dent International, Inc., a corporation organized and existing under the laws of the State of California, having an office and place of business at 21078

Commerce Pointe Drive, Walnut, California 91789 (“Opposer”) believes that it is and will continue to be damaged by the above identified Applications and hereby opposes the same.

As grounds therefor, it is alleged as follows:

Facts Common To All Counts

1. Opposer has been offering for sale and selling mixing tips for use with dispensers of two-part compositions for dental applications. Such mixing tips as offered for sale and sold by Opposer have been offered in various colors including the colors brown, purple and pink, in order to indicate the size of the orifice for such mixing tips, in order to indicate viscosity as is industry practice, and in order to facilitate the matching of the mixing tips with corresponding cartridges having the same colors.

2. On or about October 14, 2009, Applicant filed the ‘338 Application to register a brown mixing tip (“Applicant’s Brown Mixing Tip”) in International Class 10 for “mixing tips used with dispensers of two part compositions for dental and industrial applications” and described the mark as follows:

The mark consists of the color brown as applied to a futuristic, dome-façade tip having a smooth bottom portion, a slightly indented middle portion consisting of uniform continuous ridges, an upper portion angled inwardly which narrows and restricts to a top portion that attaches to a transparent stem which encases a corkscrew like element. The dotted outline of the bottom tab and top tabs on the dome-façade tip, the stem and the corkscrew like element is intended to show position of the mark on the goods and is not part of the mark.

3. On or about October 14, 2009, Applicant filed the ‘320 Application to register a purple mixing tip (“Applicant’s Purple Mixing Tip”) in International Class 10 for “mixing tips used with dispensers of two part compositions for dental and industrial applications” and described the mark as follows:

The mark consists of the color purple as applied to a futuristic, dome-façade tip having a smooth bottom portion, a slightly indented middle portion consisting of uniform continuous ridges, an upper portion angled inwardly which narrows and restricts to a top portion that attaches to a transparent stem which encases a corkscrew like element. The dotted outline of the bottom tab and top tabs on the dome-façade tip, the stem and the corkscrew like element is intended to show position of the mark on the goods and is not part of the mark.

4. On or about October 14, 2009, Applicant filed the '315 Application to register a pink mixing tip ("Applicant's Pink Mixing Tip") in International Class 10 for "mixing tips used with dispensers of two part compositions for dental and industrial applications" and described the mark as follows:

The mark consists of the color pink as applied to a futuristic, dome-façade tip having a smooth bottom portion, a slightly indented middle portion consisting of uniform continuous ridges, an upper portion angled inwardly which narrows and restricts to a top portion that attaches to a transparent stem which encases a corkscrew like element. The dotted outline of the bottom tab and top tabs on the dome-façade tip, the stem and the corkscrew like element is intended to show position of the mark on the goods and is not part of the mark.

5. The Subject Applications, with amended descriptions, were approved for publication pursuant to Section 2(f) of the Lanham Act, meaning that Applicant's Brown, Purple and Pink Mixing Tips (collectively "Applicant's Mixing Tips") purportedly have acquired secondary meaning.

6. In particular, the descriptions of the '338, '320 and '315 Applications were amended as follows, respectively:

The mark consists of the color brown and the configuration of a futuristic, dome-facade tip having a smooth bottom portion, a slightly indented middle portion, an upper portion angled inwardly which narrows and restricts to a top portion that attaches to a transparent stem which encases a corkscrew like element. The

dotted outline of the bottom tab and top tabs on the dome-façade tip, the slightly indented middle portion consisting of uniform continuous ridges, the stem and the corkscrew like element is intended to show position of the mark on the goods and is not part of the mark.

The mark consists of the color purple and the configuration of a futuristic, dome-facade tip having a smooth bottom portion, a slightly indented middle portion, an upper portion angled inwardly which narrows and restricts to a top portion that attaches to a transparent stem which encases a corkscrew like element. The dotted outline of the bottom tab and top tabs on the dome- facade tip, the slightly indented middle portion consisting of uniform continuous ridges, the stem and the corkscrew like element is intended to show position of the mark on the goods and is not part of the mark.

The color(s) pink is/are claimed as a feature of the mark. The mark consists of the color pink and the configuration of a futuristic, dome-facade tip having a smooth bottom portion, a slightly indented middle portion, an upper portion angled inwardly which narrows and restricts to a top portion that attaches to a transparent stem which encases a corkscrew like element. The dotted outline of the bottom tab and top tabs on the dome-facade tip, the slightly indented middle portion consisting of uniform continuous ridges, the stem and the corkscrew like element is intended to show position of the mark on the goods and is not part of the mark.

7. Applicant's Mixing Tips, as product configurations, are only entitled to protection if Applicant can establish that each Mixing Tip is non-functional and has met the stringent standards for secondary meaning.

8. For the reasons discussed more fully below, Applicant's Mixing Tips are functional, and therefore, the Subject Applications should be denied registration.

9. For the reasons discussed more fully below, Applicant's Mixing Tips have not acquired secondary meaning, and therefore, should be denied registration on this basis as well.

10. For the reasons discussed more fully below, the Subject Applications should be denied registration, on a number of other grounds, including failure to use the Mixing Tips in

lawful commerce and failure to submit appropriate specimens of use with the Subject Applications.

Applicant's Defective Specimens Of Use

11. Applicant's specimens of use for the Subject Applications are each comprised of three pages which appear to be an offering by ConProTec, Inc. of "static mixers" identified as the "Mix Pack S50 System" and which include a black and white line drawing of a schematic of a mixing tip along with specifications for various inner mixing tip diameters. The advertisement includes a showing of a "size place" array of mixing tips with various color attachment members including brown and purple and pink, and also includes a copy of what appears to be a showing of a series of dual-material cartridges, each with color coded end caps which correspond to the mixing tip colors, mixing tips of various sizes with attachment member ends and what appears to be a manually-operated dispensing gun which at least arguably appears to accept the cartridges.

12. The specimen of use does not mention Applicant.

13. The specimen of use contains a statement adjacent to the showing of the "size place" array of tips that the "design of the mixer allows for the mixing and dispensing of higher viscosity adhesives," and the further statement that "[a] color-coding system has been implemented ... to help the user easily identify the appropriate cap and static mixer combination."

14. Although the specimen of use also includes a purported "point of sale" display, there is no indication of by whom, how or where this is used - for example, whether it is a photograph that appears in a showroom.

**It Is Unclear What, If Anything, the Subject Applications
Purport To Cover, Other Than The Respective Colors Brown, Purple and Pink**

15. It is unclear whether the Subject Applications purport to cover anything other than the specific color identified in each Application - i.e., brown, purple and pink. Although Applicant alleged, during prosecution of the Subject Applications, that it is also claiming the “dome-façade tip”, this is belied by the description of Applicant’s Mixing Tips in the Subject Applications. Specifically, when the Subject Applications were approved for publication, the following was disclaimed:

The dotted outline of the bottom tab and top tabs on the dome-façade tip, the slightly indented middle portion consisting of uniform continuous ridges, the stem and the corkscrew like element is intended to show position of the mark on the goods and is not part of the mark

That leaves virtually no part of the mixing tip that is not disclaimed and certainly no part that can be recognized as a mark.

**Applicant’s False and Misleading Statements
During Prosecution of the Subject Applications**

16. The Subject Applications were initially refused registration based on lack of secondary meaning and functionality.

17. Applicant sought to overcome these refusals by arguing that “Federal Court has already ruled [Applicant’s Mixing Tip]” is non-functional and has acquired distinctiveness.” However, this representation is false and misleading, since none of the cases relied on by Applicant involve a decision on the merits or even a substantive review of Applicant’s purported rights in its Mixing Tip. Instead, each case was decided based on a default judgment or consent decree.

18. Applicant also tried to overcome the lack of secondary meaning refusal by arguing that it does, in fact, utilize “look for” advertising. In particular, Applicant alleged:

Applicant informs its customers and the market that the product, shape and color are trademarks of the Applicant. Attached is a label which travel with Applicant's goods when shipped from its factory in Switzerland to its customers. . . . The label prominently details Product Shape and Color™ - educating the marketplace about Applicant's trademark rights to the aesthetic features of its mixing tip.

19. Applicant's statement above is false and misleading.

As indicated in attached Exhibit A, which is a copy of the label referenced in Applicant's statement, Registrant merely uses:

Product Shape and Color™

on a packaging insert. However, this advertising does not direct consumers to the "dome-facade tip" and brown/purple/pink coloring of Applicant's Mixing Tip; it merely indicates that Applicant is claiming trademark rights in the words Product Shape and Color - *e.g.*, Product Shape and Color brand mixing tips.

The Subject Applications Should Not Have Been Approved For Publication

20. Upon information and belief, the Subject Applications should never have been approved for publication in view of the fact that Applicant did not, during the prosecution of the Subject Applications, comply with the applicable rules of the United States Patent and Trademark Office concerning, *inter alia*, providing appropriate specimens of use; not making false and/or misleading statements to the Examining Attorney in response to the outstanding Office Actions; failing to comply in an appropriate manner with the requirements of the Examining Attorney to overcome the lack of secondary meaning and non-functional refusals; failing to comply with the requirements of law with regard to and adherence to regulations of other government entities;

Applicant Commences A Litigation Against Opposer

21. On or about March 23, 2010, Applicant and a third party commenced a litigation against Opposer and others in the United States District Court for the Southern District of New York entitled Sulzer Mixpac U.S.A., Inc., and Sulzer Mixpac AG, plaintiffs v. Pac-Dent International, Inc.; Pac-Dent, Inc.; Pac-Dent International (Suzhou), Ltd.; and Daniel Y. Wang, defendants, Civil Action No. 1:09-cv-10430 (DAB), (“the Civil Action”) alleging *inter alia*, infringement of the marks in the Subject Applications.

22. Accordingly, Opposer is, has been and will continue to be damaged by the Subject Applications as a result of said Civil Action and further as a result of the facts and circumstances recited hereinafter.

23. Opposer is and continues to be further damaged by the Subject Applications on the Principal Register since, once the Subject Applications issue as registrations, they will clothe Applicant with the apparent *prima facie* exclusive right to use Applicant’s Mixing Tips in commerce on the goods specified in the Subject Applications when, in fact, Applicant does not have such rights.

COUNT I APPLICANT’S MIXING TIPS ARE FUNCTIONAL

24. Opposer repeat and reallege the allegations contained in the preceding Paragraphs as if fully set forth herein.

25. Applicant’s Mixing Tips are functional.

26. In particular, the colors brown, purple and pink are each functional because they are each used to show that the impression paste components with which a mixer tip is to be used have a particular viscosity e.g., Applicant’s Purple Mixing Tip is to be used with an impression

paste which is thicker than the types of impression pastes with which a pink mixing tip would be used.

27. Applicant's Mixing Tips are also functional because it is necessary for competitors to use the colors brown, purple and pink in order to facilitate the matching of the mixing tips with corresponding cartridge caps and intra-oral tips that have the same color.

28. The specimens of use provided by Applicant demonstrate the functional nature of the colors brown, purple and pink. Specifically, the specimen indicates that "a color coding system has been implemented . . . to help the user easily identify the appropriate [mixing tip and cartridge] combination."

29. Other marketing material used by Applicant similarly evidences the functional nature of the colors brown, purple and pink. For example, Applicant's product literature uses the heading "color coding - matching mixer to product", and include the following language: "To simplify handling, [Applicant] uses color-coded mixers and outlet caps. The color for the outlet cap used for a certain dental product identifies the most suitable mixer for this product." See examples of Applicant's marketing material, attached collectively as Exhibit B.

30. Although Applicant's Mixing Tips also include a "dome-façade tip", this is not enough to make each of Applicant's Mixing Tips, in their entirety, non-functional, since the "dome-façade tip" is a *de minimis* addition to Applicant's Mixing Tips, particularly in view of most of its features having been disclaimed by Applicant.

31. In addition, the dome shape is only a trivial variation of the ordinary shape of a tip.

32. Moreover, as a practical matter, the dome shaped tip is so small that the non-disclaimed elements will not be noticed by a prospective purchaser or the user unless he or she

holds the Mixing Tip extremely close to his or her face, and makes a point of looking at the shape of the tip.

33. Moreover, Applicant is not even claiming the “dome-façade tip”, because, as discussed more fully above, the description of Applicant’s Mixing Tips in the Subject Applications indicates that most, if not all, of the elements of the dome are being disclaimed.

34. The functional nature of Applicant’s Mixing Tips are further underscored by the fact that Applicant’s U.S. Application Serial No. 77/848,340, for the same design as Applicant’s Mixing Tips, but without a color claim, has been refused registration on the basis of functionality.

35. The functional nature of Applicant’s Mixing Tips is still further underscored by the fact that Applicant didn’t present any evidence to rebut the original functional refusals cited by the Examining Attorney in the Office Action of November 13, 2009.

36. Although Applicant claimed that the “Federal Court has already ruled [Applicant’s Mixing Tips are]” . . . non-functional,” as discussed above, this representation is false and misleading, since none of the cases relied on by Applicant involve a contested review of Applicant’s purported rights in its Mixing Tips and a judicial holding after such review.

37. Lastly, the functional nature of Applicant’s Mixing Tips is, upon information and belief, evidenced by third party use of similar mixing tip designs.

38. Based on the foregoing, Applicant’s Mixing Tips are functional, and therefore, the Subject Applications should be denied registration.

COUNT II

APPLICANT’S MIXING TIPS LACK SECONDARY MEANING

39. Opposer repeats and realleges the allegations contained in the preceding Paragraphs as if fully set forth herein.

40. Applicant's Mixing Tips lack secondary meaning.

41. Applicant has failed to provide a scintilla of evidence to establish that any of its Mixing Tips function as a brand - i.e., that the trade and/or perspective customers view any of Applicant's Mixing Tips as source identifying.

42. For example, Applicant does not employ any kind of "look for" advertising, directing consumers to "look for" its "dome-façade tip" or its brown, purple and pink coloring.

43. As discussed more fully above, although Applicant argued, during prosecution of the Subject Applications, that it does, in fact, utilize "look for" advertising, this statement is false and misleading, since Applicant's use of Product Shape and Color™ merely indicates that Applicant is claiming trademark rights in the **words** Product Shape and Color, and does nothing to draw the consumer's attention to the dome shaped tip or brown/purple/pink coloring of Applicant's Mixing Tip as indicating a particular source.

44. Although Applicant also claimed secondary meaning based on its representation that "Federal Court has already ruled [Applicant's Mixing Tip]" . . . has acquired distinctiveness," as discussed above, this representation is false and misleading, since none of the cases relied on by Applicant involve a contested review of Applicant's purported rights in its Mixing Tips and a true judicial holding after such review.

45. The only other purported evidence of secondary meaning Applicant provided during the prosecution of the Subject Applications was self-serving declarations by its own employees, which, under established Trademark Office precedent, should not have even been considered.

46. Notably, Applicant did not provide any survey evidence in support of its claim of secondary meaning, nor any declarations from third party dealers, customers or prospective customers.

47. In addition, upon information and belief, there is third party use of designs similar to Applicant's Mixing Tips (including the use of a brown, purple and/or pink mixing tips), which weigh against finding secondary meaning.

48. Upon information and belief, secondary meaning should be determined using the substantial acquired distinctiveness standard required for color, and Applicant has not met that standard.

49. Based on the foregoing, the Subject Applications should be denied registration for lack of secondary meaning.

COUNT III
APPLICANT HAS NOT USED ITS MIXING TIPS IN
COMMERCE WITHIN THE MEANING OF THE LANHAM ACT

50. Opposer repeats and realleges the allegations contained in the preceding Paragraphs as if fully set forth herein.

51. Upon information and belief, pursuant to the Food, Drug and Cosmetic Act and/or other relevant federal statute(s), mixing tips used with dispensers of two part compositions for dental applications are medical devices that require approval of and registration with the Food and Drug Administration ("FDA") for distribution in the U.S.A.

52. Upon information and belief, Applicant's Mixing Tips are not approved by and/or registered with the FDA and are thus being imported and distributed improperly in the U.S.A.

53. Based on the foregoing, Applicant's shipments of its Mixing Tips have, upon information and belief, been made in violation of a federal statute.

54. Accordingly, upon information and belief, Applicant has not made use of the marks covered by the Subject Applications in commerce within the meaning of the Lanham Act (i.e., *lawful* commerce), and therefore, the Subject Applications should be denied registration.

COUNT IV
APPLICANT HAS NOT SUBMITTED
PROPER SPECIMENS OF USE

55. Opposer repeats and realleges the allegations contained in the preceding Paragraphs as if fully set forth herein.

56. The Subject Applications should be denied registration because Applicant failed to file appropriate specimens of use.

57. The specimens of use are deficient in numerous respects.

58. First, although Applicant includes pages from the Internet, the website appears to be that of ConProTec Inc., not Applicant. In order for a page from a website to be an appropriate specimen of use for a product, the website must belong to Applicant. *See* T.M.E.P. § 904.03(i) (“There must be a means of ordering the goods directly from the applicant’s web page”).

59. The Internet page is also deficient because you cannot order production quantities of the product from the site, but rather, only a sample. *See Id.*

60. Although the specimens of use submitted also include a purported “point of sale” display, this is not acceptable because, as indicated above, there is no indication of, by whom, how or where this display is used - for example, whether it is a photograph that appears in a showroom, and if so, whose showroom and how it relates to Applicant. *See Id.* at § 904.03(g) (“In order to rely on such materials as specimens, an applicant must submit evidence of point-of-sale presentation.”).

61. Based on the foregoing, the Subject Applications should be denied registration.

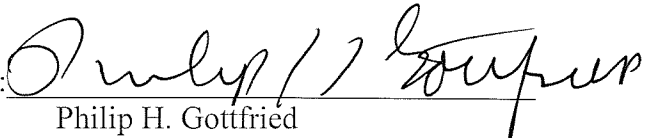
WHEREFORE, Opposer prays that the within Consolidated Opposition be granted and that the Subject Applications be denied registration

Respectfully submitted,

PAC-DENT INTERNATIONAL, INC.

By: AMSTER, ROTHSTEIN & EBENSTEIN LLP
Attorneys for Opposer
90 Park Avenue
New York, New York 10016
(212) 336-8000

Dated: New York, New York
April 29 2010

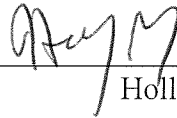
By: 
Philip H. Gottfried

CERTIFICATE OF SERVICE

The undersigned hereby certifies that she is one of the attorneys for Opposer in the above-captioned Opposition proceeding and that on the date which appears below, she caused copies of the foregoing CONSOLIDATED NOTICE OF OPPOSITION to be served on Applicant and Applicant's listed counsel by Federal Express, postage pre-paid, as follows:

Sulzer Mixpac AG
Rütistrasse 7
Haag (Rheintal) CH-9469
Switzerland

Michael T. Murphy, Esq.
Christopher S. Adkins, Esq.
K&L Gates LLP
1601 K Street N.W.
Washington, D.C. 20006



Holly Pekowsky

Dated: New York, New York
April 24, 2010

EXHIBIT A

SULZER

Sulzer Chemtech

Product Shape and Color™

produced by
Sulzer Mixpac AG
Grundstrasse 12
6343 Rotkreuz, Switzerland
www.sulzerchemtech.com

SULZER

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Sulzer Chemtech

Product Shape and Color™

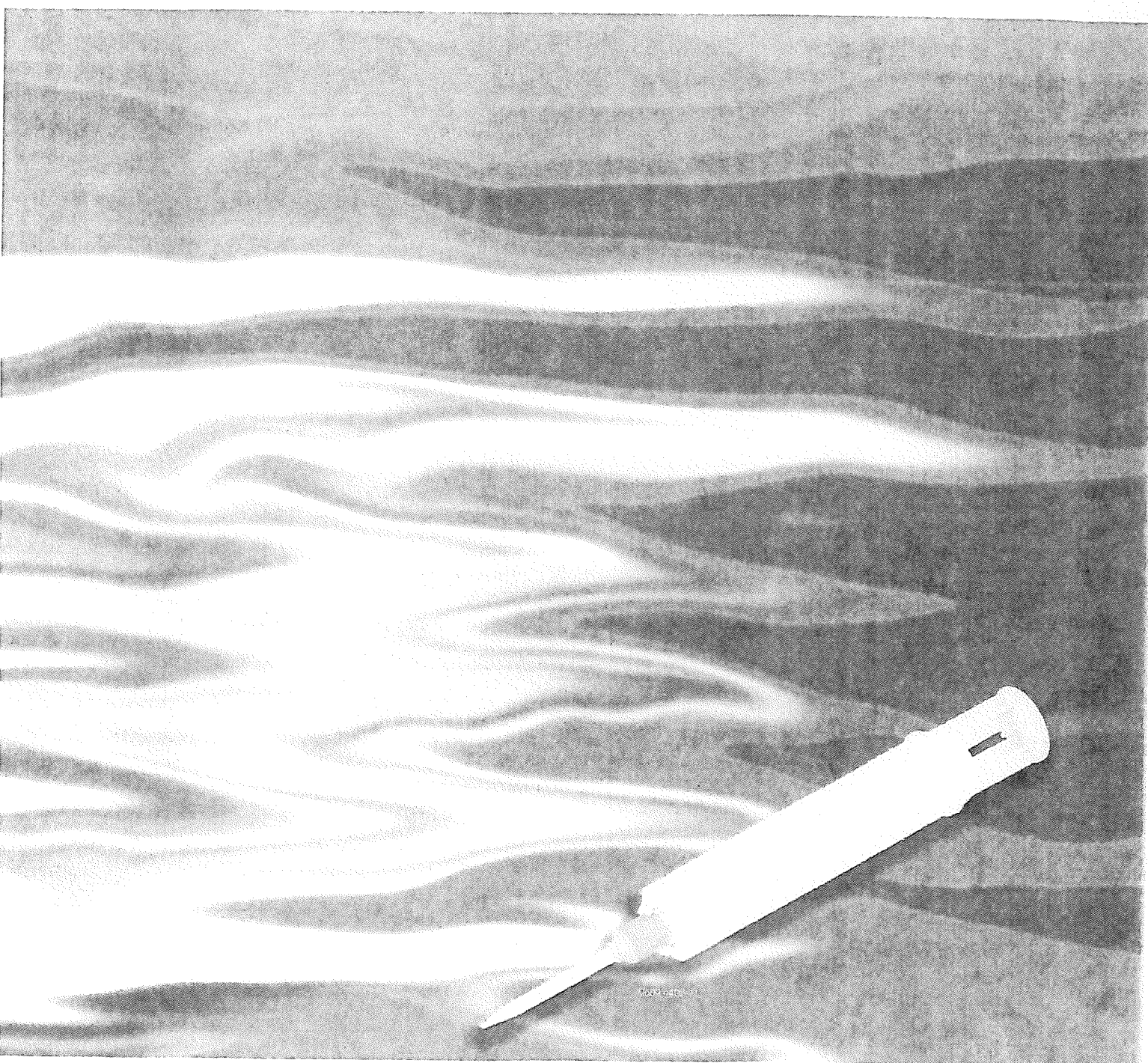
produced by
Sulzer Mixpac AG
Grundstrasse 12
6343 Rotkreuz, Switzerland
www.sulzerchemtech.com

EXHIBIT B

SULZER

Sulzer Chemtech

Mixpac™ Double-Syringe Application System
with accessories for 2.5 ml, 5 ml and 10 ml

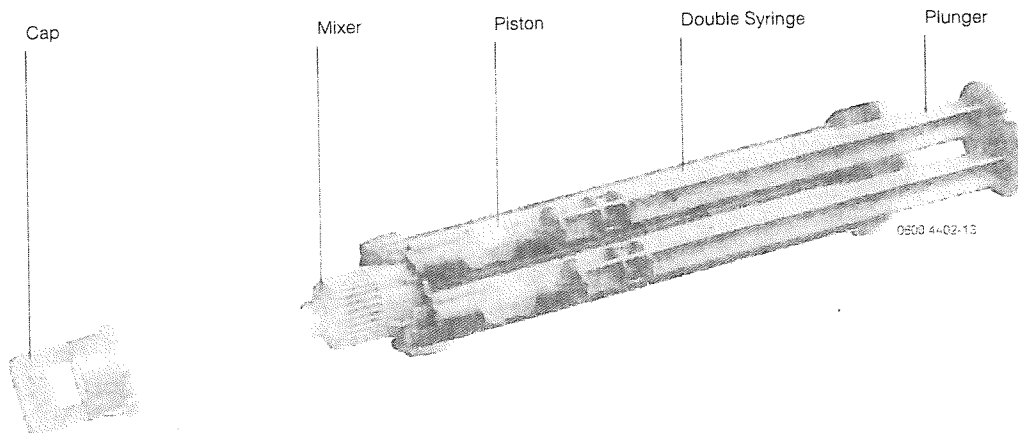


Mixpac™ Double-Syringe Application System with accessories for 2.5 ml, 5 ml and 10 ml

Sulzer Mixpac offers a complete range of double syringes for different volumes and mixing ratios. The separate cylinders of the double syringe prevent diffusion between the contents. The black double syringes are particularly suitable for light-sensitive materials.

This handy and compact automix application system opens up new opportunities in intraoral and extraoral applications. The diverse, high-quality components allow the application system to be tailored perfectly to the formulation of the product to be filled and its subsequent application.

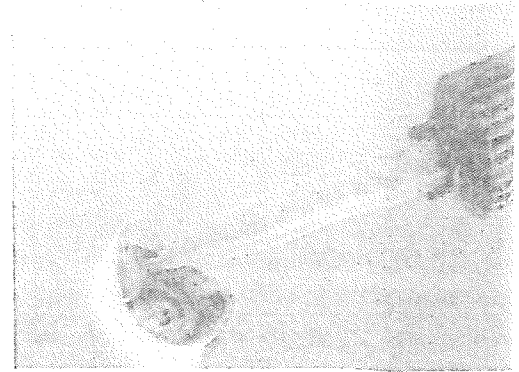
The ergonomic design of the dispenser enables to deliver the right spot in precisely the right amount. Also with high viscosity materials that can hardly be applied by hand.



Basic equipment:

The Sulzer Mixpac application system consists of the double-syringe body with separate cylinders, plunger, piston, cap and various mixers that can be selected as required according to the formulation of the material.

System Description



0607 4408-5



0607 4401-1

Double Syringes

The ergonomic design of the double syringe is particularly impressive. Its separate cylinders prevent any diffusion between the contents. This improves the storage stability of the filled products and is instrumental in maintaining their quality.

The black double syringes are particularly suitable for light-sensitive materials.

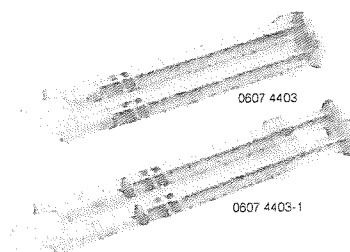
Volumes	Ratios	Colors
2.5 ml	1:1 / 4:1	transparent/white/black
5 ml	1:1 / 4:1	transparent/white/black
10 ml	1:1 / 4:1 / 10:1	transparent/white/black

Cap for outlets – safe and clean

The completely separate double-syringe outlets prevent cross-contamination and blockage also during storage.



0609 4402-10



0607 4403

0607 4403-1

Plungers and pistons – reliable and safe

The plungers and pistons are well separated to prevent air or mixed material being drawn back when the plunger is pulled back.



0607 4414-1

Silicone pistons – precise and tight

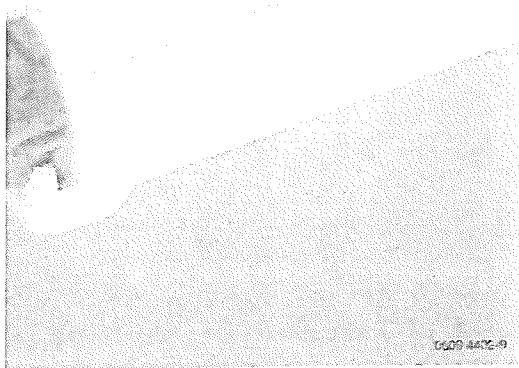
The silicone pistons guarantee excellent sealing characteristics and long-term stability.



0607 4415-2

PE pistons – exclusive and high grade

The PE pistons can be used as an alternative to the silicone pistons. They are recommended in situations where the silicone in the piston may react with the filled material in the cylinder.



0609 4402-9



0607 4409-5



0607 4409-5



0607 4410-9



0607 4410-6



0609 4402-17



0609 4402-16

Mixers – a wide selection

The range of mixers was specifically developed for the varied requirements of dental applications. The static mixing method provides excellent and consistent mixing results.

Color coding – matching mixer to product

To simplify handling, Sulzer Mixpac uses color-coded mixers and outlet caps. The color of the outlet cap used for a certain dental product identifies the most suitable mixer for this product.

Mixer inserts for a mixing ratio of 1:1 are translucent white; the inserts for mixing ratios 4:1 and 10:1 are orange in color.

Double Syringe Accessories



0607 4404



0607 4413-3



0607 4413



0607 4402-1

Accessories – for tight spots

Attachable tips are available for the simple and precise application of material, particularly in situations where access is difficult. The ultra-fine IOR tip, for example, is ideal for root canal treatment.

Dispensers – fatigue-proof and precise

To dispense high-viscosity materials with ease and precision Sulzer Mixpac developed dispensers for the 5 ml and 10 ml double syringes.

Advantages:

- Dispensing without fatigue
- Neat, targeted application
- Precise dosing

Volumes	Ratios	Colors
5 ml	1:1 / 4:1	white
10 ml	1:1 / 4:1 / 10:1	white

Double Syringes for Bleaching Applications

Sulzer Mixpac offers also a range of double syringes for bleaching applications.



0607 4419



0607 4418

Double Syringes

The double syringes are available in two sizes, each with two mixing ratios, and are easy to use during filling and application.

Volumes	Ratios	Colors
2.5 ml	1:1 / 4:1	transparent
5 ml	1:1 / 4:1	transparent

Flanged Plunger

The flanged plunger was developed specifically for bleaching materials. Small lips on the plunger head provide excellent sealing performance and long-term stability.

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Mixers

Static mixers are ideally suited for bleaching applications and have been optimised to ensure negligible product loss and excellent mixing results.



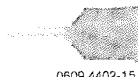
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Color coding – matching mixer to product

To simplify handling, Sulzer Mixpac uses color-coded mixers and outlet caps. The color „cool blue“ is reserved for mixers and outlet caps that are being used in bleaching applications.

Mixer inserts for a mixing ratio of 1:1 are translucent white; the inserts for mixing ratios 4:1 and 10:1 are orange in color.

L-System: Your benefits

Product advantages	Customer benefits
Separate outlets	<ul style="list-style-type: none"> • Safe and clean work • No cross-contamination • Multiple use
Rigid design	<ul style="list-style-type: none"> • Precise dosing - more accurate work • Ergonomic • Good long-term stability

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